



COMMONWEALTH of VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010577
CERTIFICATION DATE: November 1, 2013
DATE RECERTIFICATION DUE: April 30, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

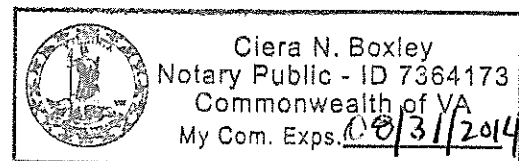
Melissa Kennedy
Program Manager, Calibration & Training

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 14th day of November, 2013 by Melissa Kennedy

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014



sd

Department of Forensic Science
Breath Alcohol Section
Instrument Location History
1/1/1990 To 11/4/2013

WOS
Pell

Instrument Serial Number: 010577

As of 04-Nov-13

Start Date	End Date	Agency Name
01-Nov-13		Lunenburg County Sheriff's Office
27-Dec-12	01-Nov-13	DFS Central Lab
05-Jun-12	27-Dec-12	Fairfax County PD
24-May-12	05-Jun-12	DFS Central Lab
07-Nov-11	24-May-12	Virginia Beach PD
24-Feb-11	07-Nov-11	DFS Central Lab
20-Apr-09	24-Feb-11	Chesapeake PD
30-Jun-08	20-Apr-09	DFS Central Lab

Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 11/4/2013

Handwritten initials/signature

Instrument Serial Number: 010577 **As of 04-Nov-13**

Maintenance	Certification	Technician	
Date	Date	Initials	Remarks
01-Nov-13	01-Nov-13	HMS (18910)	CERTIFIED
09-Sep-13	09-Sep-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED.
27-Nov-12	27-Nov-12	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED, REPLACED DRY GAS STANDARD.
26-Oct-12	05-Jun-12	HMS (18910)	REPLACED DRY GAS STANDARD.
27-Aug-12	05-Jun-12	HMS (18910)	REPLACED DRY GAS STANDARD.
05-Jun-12	05-Jun-12	HMS (18910)	CERTIFIED
30-May-12	30-May-12	DBH (21250)	REPLACED AND TESTED FUEL CELL MODULE, CALIBRATED AND CERTIFIED.
11-May-12	07-Dec-11	DBH (21250)	REPLACED DRY GAS STANDARD.
16-Feb-12	07-Dec-11	HMS (18910)	REPLACED DRY GAS STANDARD.
07-Dec-11	07-Dec-11	DBH (21250)	CERTIFIED
07-Nov-11	07-Nov-11	DBH (21250)	CALIBRATED AND CERTIFIED.
21-Mar-11	21-Mar-11	DBH (21250)	REPLACED TANK TOP LID, CERTIFIED
20-Jan-11	20-Jan-11	DBH (21250)	CERTIFIED
24-Nov-10	05-Aug-10	DBH (21250)	REPLACED DRY GAS STANDARD
05-Aug-10	05-Aug-10	DBH (21250)	CERTIFIED
19-Feb-10	19-Feb-10	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
25-Aug-09	25-Aug-09	DBH (21250)	CERTIFIED.
20-Apr-09	20-Apr-09	DBH (21250)	CERTIFIED.
01-Apr-09	01-Apr-09	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
20-Feb-09	20-Feb-09	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

JMS
MSK

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010577 Worksheet Start Date 11/1/2013

Location Lunenburg County

Address 160 Courthouse Sq., Lunenburg, VA 23952

DFS Technician Heather Stanton License No. 18910

☐ Laboratory ☒ On-Site

Site Specifications

Yes No

1 Secured Environment:

Location must not be accessible to the general public.

☒ ☐

2 Environment free from contaminants

☒ ☐

3 Dedicated telephone line:

The phone line should be used solely by the instrument.

☒ ☐

4 Adequate Ventilation:

Enough space must be provided for the instrument and the printer to allow for adequate ventilation.

☒ ☐

5 Stable temperature controls:

The instrument should not be exposed to direct sources of temperature variation.

☒ ☐

6 115VAC power source:

Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.

☒ ☐

7 Room Condition:

The site should be free of excessive moisture, heat and dust.

☒ ☐

Old serial no.	New serial no.	Supplies
E-Seek	2000104173	Mouthpieces
Keyboard	6ghz142104	Certificates of Analysis
Printer	8geceb81009	Operator Worksheet
UPS	jb0802018026	Other:

Maintenance (if any)

Comments (if any)

Installed in Lunenburg County.

Instrument Serial Number 010577

Certification Date 11/1/2013

Instrument Barometer (mm HG) 741

Reference Barometer (mm HG) 742

Reference Barometer(RB)Serial # 009113

RB Calibration Due 5/8/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.250	0.243	0.235	0.250	Sample 2	0.242
Precision		sample min	sample max	Sample 3	0.242
0.002		0.242	0.244		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.150	0.146	0.141	0.150	Sample 2	0.146
Precision		sample min	sample max	Sample 3	0.145
0.001		0.145	0.146		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.080	0.078	0.075	0.081	Sample 2	0.078
Precision		sample min	sample max	Sample 3	0.078
0		0.078	0.078		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☐ Calibrated☒ Certified☐ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

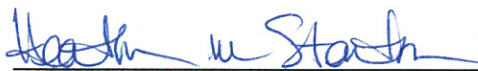
AG230501-40

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.100	0.097	0.094	0.100	Sample 2	0.098
Precision		sample min	sample max	Sample 3	0.098
0		0.098	0.098		

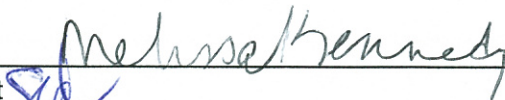
DFS Technician



Date

11/4/13

Issuing Analyst



Date

11/7/13

Intox EC/IR II QA Worksheet
Issued by Calibration and Training Program Manager
Issue Date: 4-March-2013

DFS Document 250-F113
Revision 6
Page 2 of 2

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010577 Test Number: 2629
Test Date: 11/01/2013 Test Time: 11:41 EDT

Technician Initials: HMS

Dry Gas Target: 0.243

Lot Number: 2961225012-08 Exp Date: 11/01/2014

Tank Pressure: 458 psi Barometric Pressure: 740 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:41
BLK	0.000	11:42
CHK	0.244	11:43
BLK	0.000	11:44
CHK	0.242	11:45
BLK	0.000	11:46
CHK	0.242	11:47
BLK	0.000	11:48

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

HMS
WAL

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010577 Test Number: 2630
Test Date: 11/01/2013 Test Time: 11:49 EDT

Technician Initials: *HMS*

Dry Gas Target: 0.146

Lot Number: 29512150I2-02 Exp Date: 11/01/2014
Tank Pressure: 1031 psi Barometric Pressure: 740 mmHg
System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	11:50
BLK	0.000	11:51
CHK	0.146	11:51
BLK	0.000	11:53
CHK	0.146	11:53
BLK	0.000	11:54
CHK	0.145	11:55
BLK	0.000	11:56

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

AKS
MSK

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010577 Test Number: 2631
Test Date: 11/01/2013 Test Time: 11:59 EDT

Technician Initials: HMS

Dry Gas Target: 0.078

Lot Number: 0771308012-04 Exp Date: 05/01/2015
Tank Pressure: 1022 psi Barometric Pressure: 740 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:00
BLK	0.000	12:01
CHK	0.078	12:01
BLK	0.000	12:02
CHK	0.078	12:03
BLK	0.000	12:04
CHK	0.078	12:05
BLK	0.000	12:06

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

HMS
MSL

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010577 Test Number: 2632
Test Date: 11/01/2013 Test Time: 12:08 EDT

Technician Initials: HMS

Dry Gas Target: 0.020

Lot Number: 0651202011-03 Exp Date: 04/01/2014
Tank Pressure: 105 psi Barometric Pressure: 740 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:09
BLK	0.000	12:10
CHK	0.019	12:10
BLK	0.000	12:11
CHK	0.019	12:12
BLK	0.000	12:13
CHK	0.019	12:14
BLK	0.000	12:15

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

AND
MSL

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010577 Test Number: 2633

Test Date: 11/01/2013 Test Time: 12:17 EDT

Dry Gas Target: 0.292

Lot Number: AG322702-01 Exp Date: 08/15/2015

Tank Pressure: 365 psi Barometric Pressure: 740 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:18
CHK	0.295	12:18
BLK	0.000	12:20
CHK	0.294	12:21
BLK	0.000	12:22
CHK	0.294	12:23

Test Status: *Success*

Calibration CRC: 50BF4C92

WMS
MSK

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010577 Test Number: 2634

Test Date: 11/01/2013 Test Time: 12:25 EDT

Dry Gas Target: 0.097

Lot Number: AG230501-40 Exp Date: 10/31/2014

Tank Pressure: 1080 psi Barometric Pressure: 740 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:26
CHK	0.098	12:27
BLK	0.000	12:28
CHK	0.098	12:29
BLK	0.000	12:30
CHK	0.098	12:31

Test Status: *Success*

Calibration CRC: 50BF4C92




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

hms
MGA

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY STANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 11/01/2013
TEST EQUIPMENT NUMBER 010577		

RESULTS: TIME SAMPLE TAKEN 12:38 EDT
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____ OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 04 Nov 2013 at 08:10

Handwritten initials/signature.

Test Results

Instrument Serial Number 010577

Test # 002635 Subject Test

Test Location 1 Department of
Test Date 01 Nov 2013

Test Location 2 Forensic Science
Test Time 12:32
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name STANTON
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial M
License Number 18910

Card Serial Number 118910

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 01 Nov 2013 End Time 12:39

Result Time 12:38

Result Date 01 Nov 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 12:32

Data Type BLK

Sample Value 0.000

Sample Time 12:33

Data Type CHK

Sample Value 0.098

Sample Time 12:34

Data Type BLK

Sample Value 0.000

Sample Time 12:35

Data Type SUBJ

Sample Value 0.000

Sample Time 12:36

Data Type BLK

Sample Value 0.000

Sample Time 12:37

Data Type SUBJ

Sample Value 0.000

Sample Time 12:38

Data Type BLK

Sample Value 0.000

Sample Time 12:39

Standard Type Dry Gas Std

Standard Value 0.097

Standard Lot Number AG230501-40

Standard Expiration Date 10/31/2014

Tank Pressure 1071

Barometric Pressure 740 mmHg

Blow Sample Number 1 Blow Duration 3.31 sec

Blow Volume 1772 cc End-of-Blow Time 12:36

Blow Sample Number 2 Blow Duration 3.32 sec

Blow Volume 1768 cc End-of-Blow Time 12:38

Tamper Evident Stamp c5f2c624

Test Status Code 0

Test Status Success